

**POTASSIUM YTTERBIUM DOUBLE WOLFRAMATE SINGLE CRYSTAL,**  
**OPTIONALLY DOPED, PROCEDURE FOR ITS PRODUCTION AND**  
**APPLICATIONS**

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**ABSTRACT**

The potassium ytterbium double wolframate single crystal, of formula  
[KYb(WO<sub>4</sub>)<sub>2</sub>], optionally doped with one or more ions of the rare earth  
10 elements, shows a crystallographic structure belonging to the monoclinic  
system, spatial group C2/c and is useful as material for visible spectrum  
emitting solid state lasers, in particular, for green and blue emission, pumped  
by infrared radiation diodes.

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